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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/763,024	01/22/2004	Malcolm G. Pettigrew	2003B003/2	6507
	7590 04/18/200 L CHEMICAL COMP		EXAM	INER
5200 BAYWAY DRIVE P.O. BOX 2149 BAYTOWN, TX 77522-2149			BULLOCK, IN SUK C	
			ART UNIT	PAPER NUMBER
,			1764	
SHORTENED STATUTORY	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MOI	NTHS	04/18/2007	PAF	PER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)	
	10/763,024	PETTIGREW ET AL.	
Office Action Summary	Examiner	Art Unit	. .
	In Suk Bullock	1764	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with	the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIC, 36(a). In no event, however, may a repvill apply and will expire SIX (6) MONTI, cause the application to become ABA	ATION. ly be timely filed IS from the mailing date of this communication. NDONED (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on 14 M This action is FINAL. 2b) ☐ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final.	•	
Disposition of Claims			
4) Claim(s) 25-29 and 34-42 is/are pending in the 4a) Of the above claim(s) is/are withdraw 5) Claim(s) 34-42 is/are allowed. 6) Claim(s) 25-29 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on 22 January 2004 is/are: Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction is considered.	vn from`consideration. r election requirement. r. a)⊠ accepted or b)⊡ obj drawing(s) be held in abeyanc	e. See 37 CFR 1.85(a).).
11) ☐ The oath or declaration is objected to by the Ex	aminer. Note the attached	Office Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of 	s have been received. s have been received in Ap ity documents have been re i (PCT Rule 17.2(a)).	olication No eceived in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 1/22/04.	Paper No(s)/	nmary (PTO-413) Mail Date Irmal Patent Application	

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Group II, claims 25-29 and 34-42, in the reply filed on March 14, 2007 is acknowledged.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 25-29 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 25 is indefinite because it is not clear if the effluent stream in step (d) is from the treated effluent stream in step (c) or if it is the original effluent stream from step (b). Further, it would appear that the effluent stream would have to be heated first with a high pressure steam followed by a medium pressure steam. The following is a suggested rewording of the claim:

- (c) contacting the effluent stream with a high pressure steam to produce a first cooled effluent stream;
- (d) contacting the first cooled effluent stream with a medium pressure steam to produce a second cooled effluent stream;

Also, please note that the dependent claims would have to be amended to commensurate with the amendment to claim 25.

Claim Objections

Claim 27 is objected to because of the following informalities: the claim recites step (g) but there is no step (f). Appropriate correction is required.

Allowable Subject Matter

Claims 25-29 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

The following is a statement of reasons for the indication of allowable subject matter: No prior art alone or in combination could be found to disclose or suggest the clamed steps of cooling an effluent stream from a MTO process with a high pressure steam followed by a medium pressure steam.

Claims 34-42 are allowed.

The following is an examiner's statement of reasons for allowance: No prior art alone or in combination could be found to suggest cooling an effluent stream from a MTO process wherein the effluent stream is cooled to a temperature that is at least 500° F (280° C) less than the temperature of an effluent stream withdrawn from the MTO reactor.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to In Suk Bullock whose telephone number is 571-272-5954. The examiner can normally be reached on Monday - Friday 6:00-2:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on 571-272-1444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

V. Sullock

Glenn Caldarola

Supervisory Patent Examiner
Technology Center 1700